Z8NR-D12

Specifications

Processor / System Bus	2 x Socket 1366 Quad-Core Intel® Xeon® W5500 Series (130W) Quad-Core Intel® Xeon® X5500 Series (95W) Quad-Core Intel® Xeon® E5500 Series (80W) Quad-Core Intel® Xeon® L5500 Series (60W/38W) QPI 4.8 /5.86 /6.4 GT/s
Core Logic	Intel® 5500 chipset IOH Intel® ICH10R I/O Controller
Form Factor	SSI EEB 3.61 12" x 13"
ASUS Features	ASWM2.0 FAN speed control Rack Optimized (Dedicated for Rack)
Memory	**Total Slots:** 12 (3-channel per CPU, 6-DIMM per CPU) **Capacity:** Maximum up to 96GB (RDIMM), Maximum up to 48GB (UDIMM) **Memory Type:** DDR3 800/1066/1333 Reg DIMM/ Unbuffered DIMM with ECC **Memory Size:** 1GB 2GB 4GB 8GB (RDIMM); 1GB, 2GB, 4GB (UDIMM)
Expansion Slots (follow SSI Location #)	**Total PCI/PCI-X/PCI-E Slots:** 5 **Slot Location 1: 1 * PCI 32bit/33 MHz** **Slot Location 3: 1 * PCI-E x8 (Gen2 x4 Link)** **Slot Location 4: 1 * PCI-E x8 (Gen2 x4 Link)** **Slot Location 5: 1 * PCI-E x8 (Gen2 x8 Link)** **Slot Location 6: 1 * PCI-E x16 (Gen2 x16 Link for 1U Full-Height/Full-Length Card) (Auto switch to x8 Link if slot 5 is occupied)** **Additional Slot 1: 1* PIKE Slot for Stroage expansion**
Storage	**SATA Controller:** Intel® ICH10R: 6 SATA2 300MB/s ports Intel Matrix Storage (for Windows only) (Support software RAID 0, 1, 10 & 5) LSI® MegaRAID (for Linux/Windows) (Support software RAID 0, 1, 10) **SAS Controller:** Optional: ASUS PIKE 1064E 4-port SAS RAID card Asus PIKE 1068E 8-port SAS RAID card Asus PIKE 1078 8-port SAS HW RAID card
Networking	**LAN:** 2 * Intel 82574L + 1 * Mgmt LAN
Graphic	**VGA:** Aspeed AST2050 8MB
Onboard I/O Connectors	3 x PSU Connector 24-pin SSI power connector + 8-pin SSI 12V + 8-pin SSI 12V power connector 1 x Management Connector Onboard header for optional management card 3 x USB Connectors (support 6 USB ports) 8 x Fan Header 4-pin 2 x SMBus 1 x Chassis Intruder 2 x Front LAN LED 1x Serial Port Header

Rear I/O Connectors	1 x External Serial Port 2 x External USB Port 1 x VGA Port 2 x RJ-45 + 1 Management Port 1 x PS/2 KB/Mouse
Management Solution	**Software:** ASWM2.0 **Out of Band Remote Management:** Optional ASMB4-iKVM for KVM-over-Internet
Monitoring	CPU Temperature FAN RPM
EMI	US (FCC, CFR47 Part 15, Class B) Europe (CE, EN55022 & EN55024) Australia (C-TICK)
Environment	**Operation temperature:** 10℃ ~ 35℃ / Non operation temperature: -40℃ ~ 70℃ **Non operation humidity:** 20% ~ 90% (Non condensing)
Accessories	Standard Gift Box Pack (1pcs per Carton): 6 x SATA Data Cables 1 x I/O Shield 1 x ASUS Mainboard Support CD 1 x User's Guide Standard Bulk Pack (10pcs per Carton): 1 x I/O Shield 1 x ASUS Mainboard Support CD 1 x User's Guide
Product SKUs	Standard Gift Box Pack Standard Bulk Pack
Note	*Refer to ASUS Server AVL for latest update

- All specifications are subject to change without notice. Please check with your supplier for exact offers. Products may not be available in all markets.
- PCB color and bundled software versions are subject to change without notice.
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